

**SUMMARY OF 1999 - 2005 PCB AMBIENT AIR SAMPLING RESULTS**

**ON-PLANT CONSOLIDATION AREAS (OPCAs)  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(all results are ug/m<sup>3</sup>)**

Date	Northwest of OPCAs	Northwest of OPCAs colocated	Southwest of OPCAs	Southwest of OPCAs colocated	West of OPCAs	North of OPCAs	Southeast of OPCAs	Pittsfield Generating (CG)	Background Sample Location		
									West of 40's Bldgs.	Inside GE Gate 31 <sup>11</sup>	East of Building 9B <sup>16</sup>
1999											
08/08/99 - 08/09/99 <sup>1</sup>	-----	-----	0.0021	NA <sup>2</sup>	0.0009	NA <sup>3</sup>	0.0022	0.0011	-----	-----	-----
08/13/99 - 08/14/99 <sup>4</sup>	-----	-----	0.0027	0.0046 <sup>5</sup>	0.0048	0.0062	0.0019	0.0024	-----	-----	-----
09/21/99 - 09/22/99	-----	-----	0.0011	0.0017	0.0010	0.0010	0.0010	0.0011	-----	-----	-----
10/19/99 - 10/20/99	-----	-----	0.0010	0.0007	0.0013	0.0010	0.0009	0.0010	-----	-----	-----
11/17/99 - 11/18/99	-----	-----	0.0010	0.0010	0.0007	0.0007	0.0007	0.0017 <sup>6</sup>	-----	-----	-----
2000											
05/17/00 - 05/18/00	-----	-----	0.0018	0.0017	0.0011	-----	-----	0.0010 <sup>7</sup>	-----	-----	-----
07/20/00 - 07/21/00	-----	-----	0.0045	0.0040	0.0013	0.0018	0.0014	0.0030	0.0046	-----	-----
08/24/00 - 08/25/00	-----	-----	0.0043	0.0042	0.0333	0.0334 <sup>8</sup>	0.0015	0.0110 <sup>9</sup>	0.0135	-----	-----
09/07/00 - 09/08/00	-----	-----	0.0028	0.0031	0.0016	0.0022	0.0018	0.0125	0.0039	-----	-----
10/06/00 - 10/07/00	-----	-----	0.0008	0.0008	0.0006	0.0004	0.0004	0.0015	0.0055	-----	-----
2001											
06/06/01 - 06/07/01	-----	-----	0.0012	0.0010	ND	ND	ND	0.0009	0.0019	-----	-----
06/13/01 - 06/14/01	-----	-----	0.0023	0.0031	0.0026	ND	ND	0.002	0.0047	-----	-----
07/12/01 - 07/13/01	-----	-----	0.0019	0.0017	0.0009	0.0005	0.0028	0.0016	0.0014	-----	-----
12/06/01 - 12/07/01	-----	-----	0.0008	0.0005	ND	0.0008	0.0012	0.0011	0.0008	-----	-----
2002											
06/02/02 - 06/03/02	-----	-----	0.0017 <sup>10</sup>	0.0019 <sup>10</sup>	0.0006 <sup>10</sup>	0.0005 <sup>10</sup>	0.0071 <sup>10</sup>	0.0007 <sup>10</sup>	-----	0.0004 <sup>10</sup>	-----
06/07/02 - 06/08/02	-----	-----	0.0013	0.0009	ND	ND	ND	0.0005	-----	ND	-----
07/18/02 - 07/19/02	-----	-----	0.0038	0.0027	0.0014	0.0008	0.0023	0.0025	-----	0.002	-----
09/18/02 - 09/19/02	-----	-----	0.0127 <sup>10</sup>	0.0015 <sup>10</sup>	0.0012 <sup>10</sup>	0.0006 <sup>10</sup>	0.0059 <sup>10</sup>	0.0030 <sup>10</sup>	-----	0.0021 <sup>10</sup>	-----
12/18/02 - 12/19/02	-----	-----	ND	0.0009	ND	ND	ND	ND	-----	0.0012	-----
2003											
05/20/03 - 05/21/03	-----	-----	0.0025 <sup>12</sup>	0.0099 <sup>12</sup>	0.0037 <sup>12</sup>	0.0033 <sup>12</sup>	0.0007 <sup>12</sup>	0.0015 <sup>12</sup>	-----	0.0065 <sup>12</sup>	-----
06/18/03 - 06/19/03	-----	-----	0.0013	0.0011	0.0015	0.0009	0.0007	0.0017	-----	0.0028	-----
08/05/03 - 08/06/03	-----	-----	0.0020	0.0031	0.0060	0.0019	0.0019	0.0017	-----	0.0090	-----
09/15/03 - 09/16/03	-----	-----	0.0020	NA <sup>13</sup>	0.0028	ND	0.0004	0.0011	-----	0.0037	-----
09/29/03 - 09/30/03	-----	-----	0.0015	0.0015	0.0008	0.0003	0.0004	0.0005	-----	0.0010	-----
10/13/03 - 10/14/03	-----	-----	0.0011	0.0005	0.0003	NA <sup>14</sup>	0.0004	0.0003	-----	0.0010	-----

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(all results are ug/m<sup>3</sup>)**

Date	Northwest of OPCAs	Northwest of OPCAs colocated	Southwest of OPCAs	Southwest of OPCAs colocated	West of OPCAs	North of OPCAs	Southeast of OPCAs	Pittsfield Generating (CG)	Background Sample Location		
									West of 40's Bldgs.	Inside GE Gate 31 <sup>11</sup>	East of Building 9B <sup>16</sup>
2004											
05/14/04 - 05/15/04	-----	-----	0.0019	0.0013	0.0065	0.0017	0.0013	0.0040	-----	0.0038	-----
06/17/04 - 06/18/04	-----	-----	0.0032	0.0023	0.0026	0.0030	0.0065	0.0152	-----	0.0026	-----
09/13/04 - 09/14/04	-----	-----	0.0023	0.0025	0.0009	0.0006	0.0010	0.0033	-----	0.0019	-----
09/14/04 - 09/15/04	-----	-----	ND	0.0017	0.0020	ND	0.0006	0.0015	-----	0.0031	-----
10/11/04 - 10/12/04	-----	-----	0.0010	0.0011	0.0004	0.0004	0.0011	0.0007	-----	0.0004	-----
11/02/04 - 11/03/04	-----	-----	ND	ND	ND	0.0009	0.0004	0.0005	-----	0.0010	-----
12/14/04 - 12/15/04	-----	-----	NA <sup>15</sup>	NA <sup>15</sup>	ND	ND	0.0009	ND	-----	ND	-----
2005											
05/05/05 - 05/06/05	-----	-----	0.0009	0.0008	0.0009	0.0008	0.0009	0.0030	-----	0.0014	-----
06/01/05 - 06/02/05	-----	-----	0.0016	0.0015	0.0023	0.0012	NA <sup>17</sup>	0.0014	-----	0.0024	-----
06/29/05 - 06/30/05	-----	-----	0.0048	0.0028	0.0042	0.0020	0.0045	0.0085	-----	0.0080	-----
08/02/05 - 08/03/05	-----	-----	0.0037	0.0030	0.0029	0.0010	0.0097	0.0050 <sup>18</sup>	-----	-----	0.0012
09/01/05 - 09/02/05	-----	-----	0.0220	0.0269	0.0025	0.0015	0.0372	0.0309	-----	-----	0.0010
10/06/05 - 10/07/05	-----	-----	0.0035	0.0035	0.0039	0.0183	0.0042	0.0384	-----	-----	0.0025
10/27/05 - 10/28/05	-----	-----	0.0008	0.0010	0.0021	0.0011	0.0137 <sup>19</sup>	0.0061	-----	-----	0.0019
11/01/05 - 11/02/05	-----	-----	0.0013	0.0019	0.0016	0.0111	0.0026	0.0090	-----	-----	ND
11/08/05 - 11/09/05	-----	-----	0.0015	0.0012	0.0012	0.0011	0.0034	0.0103	-----	-----	0.0007
11/17/05 - 11/18/05	-----	-----	ND	ND	0.0008	ND	0.0014	0.0040	-----	-----	ND
11/22/05 - 11/23/05	0.0009 <sup>20</sup>	0.0008 <sup>20</sup>	-----	-----	ND	0.0003	0.0009	0.0031	-----	-----	ND
12/01/05 - 12/02/05	0.0024	0.0014	-----	-----	0.0010	0.0019	0.0011	0.0040	-----	-----	0.0015
12/06/05 - 12/07/05	ND	ND	-----	-----	ND	ND	ND	ND	-----	-----	ND
12/15/05 - 12/16/05	0.0011	0.0008	-----	-----	0.0012	0.0015	0.0005	0.0007	-----	-----	0.0005
12/20/05 - 12/21/05	ND	ND	-----	-----	0.0006	ND	0.0005	0.0012	-----	-----	ND
Exceedances of Notification Level (0.05 µg/m <sup>3</sup> )	None	None	None	None	None	None	None	None	None	None	None

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#### Notes:

All sampling and analytical activities performed and/or coordinated by Berkshire Environmental Consultants, Inc.

NA - Not Available

ND - Non Detect (<0.0003)

- <sup>1</sup> Background (prior to site activity) sampling event conducted from 7 a.m. Sunday to 7 a.m. Monday. No soil was moved during this sampling event.
- <sup>2</sup> Co-located sampler was not in place for the first (background prior to site activity) sampling event.
- <sup>3</sup> Sample was not analyzed. Due to loss of power, the sampling period was shortened to approximately 6 hours.
- <sup>4</sup> Sampling was conducted from 7 p.m. on August 13, 1999 to 7 p.m. on August 14, 1999.
- <sup>5</sup> Sample was collected using a PUF and filter from a separate lab shipment. These samples were not used in precision calculations.
- <sup>6</sup> PCB monitor was relocated to the northeast corner of this site on November 2, 1999.
- <sup>7</sup> This sample was collected at the alternative location for the Cogeneration facility.
- <sup>8</sup> Sample does not meet criteria for validity. Value is estimated and may be biased high. Sampling was interrupted due to temporary loss of power to the air samplers after on-site soil handling activities had been completed for the day. Total volume sampled was 206.3 m<sup>3</sup>.
- <sup>9</sup> Sample does not meet criteria for validity. Value is estimated and may be biased high. Sampling was interrupted due to temporary loss of power to the air samplers after on-site soil handling activities had been completed for the day. Total volume sampled was 273.2 m<sup>3</sup>.
- <sup>10</sup> Result is believed to be biased high due to the presence of PCB on the field blank.
- <sup>11</sup> Background PCB monitoring location was permanently relocated from west of the 40's building complex in February 2002 to inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street due to demolition activity at Building 31.
- <sup>12</sup> Result is biased high due to contamination of the laboratory method blank.
- <sup>13</sup> Sample was not collected at this site during this event. PCB sampling on this day at OPCAS was run concurrently with another PCB sampling event at Building 25. A co-located sample was collected at that site.
- <sup>14</sup> Sample did not meet validity requirements and was not analyzed. Sampler air flow was restricted.
- <sup>15</sup> Sample did not meet the QA/QC criteria of 24 hours ± 30 minutes due to a power supply interruption and is not included in the site average.
- <sup>16</sup> Background PCB monitoring location was permanently relocated from inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street in July 2005 to East of Building 9B, between Building 9B and New York Avenue, to provide more representative background data.
- <sup>17</sup> Not available - sample voided due to condensing tube tip breakage during analysis at the laboratory. Re-extraction was not possible.
- <sup>18</sup> The PCB results from the OPCA CG site failed a laboratory QA/QC criteria. The sample failed both surrogate spike recoveries. One spike recovery failed very high at 540% (acceptable range 50-150%) and one failed very low at 1.4% (acceptable range 27-132%).
- <sup>19</sup> The PCB results from the OPCA SE site failed a laboratory QA/QC criteria. The sample failed both surrogate spike recoveries. One spike recovery failed very high at 1400% (acceptable range 50-150%) and one failed very high at 414% (acceptable range 27-132%).
- <sup>20</sup> Data are reported for informational purposes only. Sample did not meet the QA/QC criteria of 24 hours ± 30 minutes due to a power supply interruption from the generator.